

Contents of volume 27

Number 1, 1 January 1990

Editorial announcement	v
Presence of ACTH and β -endorphin immunoreactive molecules in the freshwater snail <i>Planorbarius corneus</i> (L.) (Gastropoda, Pulmonata) and their possible role in phagocytosis <i>E. Ottaviani, F. Petraglia, G. Montagnani, A. Cossarizza, D. Monti and C. Franceschi (Italy)</i>	1
Distribution of peptidergic nerves in the choroid plexus, focusing on coexistence of neuropeptide Y, vasoactive intestinal polypeptide and peptide histidine isoleucine <i>C. Nilsson, R. Ekman, M. Lindvall-Axelsson and C. Owman (Sweden)</i>	11
Cholecystokinin binding and degradation by isolated rat liver cells <i>M. M. Wolfe, M. Bougoulas and J. E. McGuigan (U.S.A.)</i>	27
Differential rates of glucose metabolism across subregions of the subfornical organ in Brattleboro rats <i>S. W. Shaver, M. Kadekaro and P. M. Gross (Canada, U.S.A.)</i>	37
Identification of luteinizing hormone releasing hormone-like immunoactivity in ovine cotyledons <i>G. E. Rice and M. Smirnis (Australia)</i>	51
Fibroblast mitogens in swine milk include an epidermal growth factor-related peptide <i>T. J. Tan, D. A. Schober and F. A. Simmen (U.S.A.)</i>	61
Cardiovascular responses induced by endothelin microinjection into area postrema <i>A. V. Ferguson and P. Smith (Canada)</i>	75
Promoting effect of bombesin on the cell proliferation in the rat endocrine pancreas during the early postnatal period <i>T. Lehy and F. Puccio (France)</i>	87
Depolarizing influences regulate somatostatin synthesis and processing in cultured cerebral cortical cells <i>M. T. de los Frailes, F. Sánchez-Franco, M. J. Lorenzo, G. Fernandez Vasquez and L. Cacicedo (Spain)</i>	97
Intratesticular injection of [D-Met ² -Pro ⁵]enkephalinamide suppresses testosterone secretion of the testis of immature rat <i>I. Gerendai, Á. Nemeskéri and V. Csernus (Hungary)</i>	107
Dual effect of vasoactive intestinal peptide on the mitogenic response of rabbit spleen lymphocytes <i>S. Peuriere, C. Susini, J.-P. Esteve, N. Vaysse and L. Escoula (France)</i>	117
Daily changes of neuropeptide Y-like immunoreactivity in the suprachiasmatic nucleus of the rat <i>L. Calzá, L. Giardino, M. Zanni, A. Velardo, P. Parchi and P. Marrama (Italy)</i>	127
Effects of pancreatic polypeptide on biliary flow and bile acid secretion stimulation by secretin and cholecystokinin in the conscious pig <i>A. Langlois, T. Corring, F. Levenez, J.-C. Cuber and J.-A. Chayvialle (France)</i>	139

Dual effects of calcitonin gene-related peptide on insulin secretion in the perfused dog pancreas

K. Hermansen and B. Ahrén (Denmark, Sweden) 149

Announcements 159

Number 2, 5 February 1990

Editorial iii

Role of acetylcholine, histamine and gastrin in the acid response to intracisternal injection of TRH analog, RX 77368, in the rat

K. Yanagisawa, H. Yang, J. H. Walsh and Y. Taché (U.S.A.) 161

Distribution of calcitonin gene-related peptide and calcitonin-like immunoreactivity in trout

M. Fouchereau-Peron, Y. Arlot-Bonnemains, J. Taboulet, G. Milhaud and S. Moukhtar (France) 171

Receptor binding of somatostatin-14 and somatostatin-28 in rat brain: differential modulation by nucleotides and ions

C. B. Srikant, A. Dahan and C. Craig (Canada) 181

Significance of gastric endocrine tumor and age-related gut peptide alterations in *Mastomys*

A. J. Bilchik, O. Nilsson, I. M. Modlin, K. A. Zucker and T. E. Adrian (U.S.A.) 195

Peptide-containing nerve fibers in the circumvallate papillae

A. Luts, P. Montavon, K. Lindstrand and F. Sundler (Switzerland) 209

Mechanism of inhibitory action of peptide YY on chelecystokinin-induced contractions of isolated dog ileum

H. Baba, M. Fujimura and N. Toda (Japan) 227

Effects of combined secretagogues and extracellular calcium on neonatal insulin release

G. T. Schuppin, J. E. Brinn and D. J. Fletcher (U.S.A.) 237

Regional distribution of endothelin receptor in porcine cardiovascular tissues

R. Takayanagi, T. Hashiguchi, M. Ohahsi and H. Nawata (Japan) 247

Peptide analogs of thymopentin distinguish distinct thymopoietin receptor specificities on two human T cell lines

G. A. Heavner, T. Audhya and G. Goldstein (U.S.A.) 257

Thyrotropin-releasing hormone stimulates intestinal transit in young rats

E. Bond and M. Heitkemper (U.S.A.) 263

Chloroquine alters the processing of secretin in isolated rat pancreatic acinar cells

R. S. Izzo, R. S. Lokchander and C. Pellecchia (U.S.A.) 273

Announcements 283

Number 3, 5 March 1990

Immunoreactive atrial natriuretic peptide in the thyroid gland

D. F. Sellitti and C. Hughes (U.S.A.) 285

Do normal plasma neurotensin concentrations increase ileal output? <i>D. F. MacKay, H. W. Jones, A. Gough, S. Peart, T. C. Freeman, C. J. Springer and J. Calam (U.K.)</i>	299
The distribution of galanin message-associated peptide-like immunoreactivity in the pig <i>D. Bretherton-Watt, M. J. Kenny, M. A. Ghatei and S. R. Bloom (U.K.)</i>	307
Decreased inflammatory responsiveness of hypophysectomized rats to heat is reserved by a corticotropin-releasing factor (CRF) antagonist <i>E. T. Wei, J. C. Wong and J. G. Kiang (U.S.A.)</i>	317
Somatostatin selectively inhibits excitatory contractile pathways of the feline lower esophageal sphincter <i>H. P. Parkman and J. C. Reynolds (U.S.A.)</i>	325
Effect of thyrotropin-releasing hormone on immune functions of peripheral blood mononuclear cells <i>R. Hart, F. Wagner, W. Steffens, C. Lersch, H. Dancygier, L. Duntas and M. Classen (F.R.G.)</i>	335
Role of gastrin and cholecystokinin in the growth-promoting action of bombesin on the gastroduodenal mucosa and the pancreas <i>A. Dembiński, P. K. Konturek and S. J. Konturek (Poland)</i>	343
Thymopentin antagonizes stress-induced changes of GABA/benzodiazepine receptor complex <i>V. Klusa, R. A. Kiivet, R. Muceniece, I. Liepa, J. Harro, S. Svirskis, A. Andermanis and L. Rāgo (U.S.S.R.)</i>	355
Announcements	366
Author index	367
Key word index	370

